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PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

JOHNSON, Mark, lan et al

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202

Date of mailing (day/month/year)	ETATS-UNIS D'AMERIQUE
15 May 2001 (15.05.01)	in its capacity as elected Office
International application No.	Applicant's or agent's file reference
PCT/AU00/01079	2327000/GP

PCT/AU00/01079
2327000/GP

International filing date (day/month/year)
08 September 2000 (08.09.00)

Applicant

Priority date (day/month/year)
08 September 1999 (08.09.99)

1.	The designated Office is hereby notified of its election made: X in the demand filed with the International Preliminary Examining Authority on:
	30 March 2001 (30.03.01)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland **Authorized officer**

Claudio Borton

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

1/5

10/070 A83

PCT REQUEST

Original (for SUBMISSION) - printed on 08.09.2000 10:56:12 AM

		10.55.12 AM
9	For receiving Office use only	
C-3	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.91
	, reperce cerning	(updated 01.07.2000)
0-5	Petition	(upcated 01.07.2000)
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Australian Patent Office (RO/AU)
0-7	Applicant's or agent's file reference	2327000/GP
1	Title of invention	TAP
I	Applicant	
11-1	This person is:	applicant only
11-2	Applicant for	all designated States except US
11-4	Name	AUSTRALIAN DYNAMIC PRODUCTS PTY. LTD.
11-5	Address:	-
		3 Expo Court
		Mt. Waverley, Victoria 3149
		Australia
1-6	State of nationality	AU
1-7	State of residence	AU
1-8	Telephone No.	03 9543 2211
1-9	Facsimile No.	03 9545 5442
11-10	e-mail	
111-1	Applicant and/or inventor	
-1-1	This person is.	amplicant and inventor
111-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	JOHNSON, Mark, Ian
111-1-5	Address:	_ MALK, LAH
	nuoiss.	17 77
		17 Wangaratta Street
		Richmond, Victoria 3121
		Australia
111-1-6	State of nationality	AU
111-1-7	State of residence	AU

2/5

PCT REQUEST

2327000/GP

Original (for SUBMISSION) - printed on 08.09.2000 10:56:12 AM

111-2	Applicant and/or investor	
111-2-1	Applicant and/or inventor This person is:	
111-2-2	Applicant for	applicant and inventor
111-2-4	Name (LAST, First)	US only
	1	BLOCHLINGER, Alfred
111-2-5	Address:	-
		17 Wangaratta Street
		Richmond, Victoria 3121
	Course of the Co	Australia
111-2-6	State of nationality	AU
111-2-7	State of residence	AU
III-3 III-3-1	Applicant and/or inventor This person is:	
111-3-1	'	applicant and inventor
111-3-2	Applicant for	US only
111-3-5	Name (LAST, First)	HAMANN, Brian, Charles
1(1-2-2	Address:	-
	J	12 Amanda Avenue
	İ	Corio, Victoria 3214
111-3-6	State of nationality	Australia
III-3-7	State of residence	AU
111-4	Applicant and/or inventor	AU
111-4-1	This person is:	ann'i ann a de
111-4-2	Applicant for	applicant and inventor
111-4-4	Name (LAST, First)	US only
111-4-5	Address:	FUNG, Hugh, Yean
		7 Correa Close
	•	Wantirna South, Victoria 3152
		Australia
111-4-6	State of nationality	AU
111-4-7	State of residence	AU
IV-1	Agent or common representative; or	
	address for correspondence	
	The person identified below is hereby/has been appointed to act on	agent
	behalf of the applicant(s) before the	
IV-1-1	competent International Authorities as: Name (LAST, First)	PRIAN A SS CI I
	Address:	PRYOR, Geoffrey, Charles
	, (42, 655),	DAVIES COLLISON CAVE
		1 Little Collins Street
		Melbourne, Victoria 3000
IV-1-3	Telephone No.	Australia
IV-1-4	Facsimile No.	03 9254 2777
IV-1-5	e-mail	03 9254 2770
IV-2	Additional agent(s)	mail@davies.com.au
1V-Z	Additional agent(s)	additional agent(s) with same address as
11/2-	No (c)	first named agent
IV-2-1	Name(s)	LESLIE, Keith; WEBBER, David, Brian

PCT REQUEST

Original (for SUBMISSION) - printed on 08.09.2000 10:56:12 AM

2327000/GP

V	Designation of States	
V-1	Regional Patent	AD. CH CM VE IC MI MI CD OF CE
	(other kinds of protection or treatment	
	any, are specified between parentheses	
	after the designation(s) concerned)	Contracting State of the Harare Protocol
		and of the PCT
		EA: AM AZ BY KG KZ MD RU TJ TM and any
		other State which is a Contracting State
		of the Eurasian Patent Convention and of
		the PCT
		EP: AT BE CHELI CY DE DK ES FI FR GB GR
		IE IT LU MC NL PT SE and any other State
		which is a Contracting State of the
	1	European Patent Convention and of the
		PCT
		OA: BF BJ CF CG CI CM GA GN GW ML MR NE
		SN TD TG and any other State which is a
	· ·	member State of Oapt and a continuous a
		member State of OAPI and a Contracting
V-2	National Patent	State of the PCT
4-2	(other kinds of protection or troatment, if	AE AG AL AM AT AU AZ BA BB BG BR BY BZ
	any, are specified between parentheses	CA CHELI CN CR CU CZ DE DK DM DZ EE ES
	after the designation(s) concerned)	FI GB GD GE GH GM HR HU ID IL IN IS JP
		KE KG KP KR KZ LC LK LR LS LT LU LV MA
		MD MG MK MN MW MX MZ NO NZ PL PT RO RU
		SD SE SG SI SK SL TJ TM TR TT TZ UA UG
		US UZ VN YU ZA ZW
V-5	Precautionary Designation Statement	OB OB VICTOR AND
	In addition to the designations made	
	under items V-1, V-2 and V-3, the	
	applicant also makes under Rule 4,9(b) all designations which would be	
	permitted under the PCT except any	
	designation(s) of the State(s) indicated	
	under item V-6 below. The applicant declares that those additional	
	designations are subject to confirmation	
	and that any designation which is not	
	confirmed before the expiration of 15	
	months from the priority date is to be regarded as withdrawn by the applicant	
	at the expiration of that time limit.	
V-6	Exclusion(s) from precautionary	NONE
VI. f	designations	
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	08 September 1999 (08.09.1999)
VI-1-2	Number	
		PQ2703
VI-1-3	Country	AU
VI-2	Priority document request	
	The receiving Office is requested to	VI-1
	prepare and transmit to the International Bureau a certified copy of the earlier	
	application(s) identified above as	
	item(s):	

4/5

PCT REQUEST

2327000/GP

Original (for SUBMISSION) - printed on 08.09.2000 10:56:12 AM

VII-1	International Searching Authority Chosen	Australian Patent Of	ffice (ISA/AU)	
VIII	Check list	number of sheets	electronic file(s) attached	
VIII-1	Request	5	-	
VIII-2	Description	15	_	
VIII-3	Claims	5	_	
VIII-4	Abstract	1	2327000.txt	
VIII-5	Drawings	24	_	
VIII-7	TOTAL	50		
	Accompanying items	paper document(s) attached	electronic file(s) altached	
VIII-8	Fee calculation sheet	/	_	
VIII-16	PCT-EASY diskette	_	diskette	
VIII-18	Figure of the drawings which should accompany the abstract	2		
VIII-19	application	English		
1X-1	Signature of applicant or agent	Relfun		
IX-1-1	Name	AUSTRALIAN DYNAMIC PE	ארוווריים אייע זייה	
IX-2	Signature of applicant or agent	Mest day	CODOCIS EII. HID.	
IX-2-1	Name (LAST, First)	JOHNSON Mark, Ian		
IX-3	Signature of applicant or agent	NO'		
IX-3-1	Name (LAST, First)	BLOCHLINGER, Alfred		
IX-4	Signature of applicant or agent	1 BHown	~ ~ ~ ~	
IX-4-1	Name (LAST, First)	HAMANN, Brian, Charle	s	
IX-5	Signature of applicant or agent	III.		
		× .		
IX-5-1	Name (LAST, First)	FUNG, Hugh, Lan		
	FOR F	RECEIVING OFFICE USE ONLY		
10-1	Date of actual receipt of the purported international application			
10-2	Drawings:			
10-2-1	Received			
10-2-2	Not received			
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application			
10-4	Date of timely receipt of the required			
10-5	International Searching Authority	ISA/AU		
<u></u>	The state of the s	TOW/ MU		

5/5

PCT	REQUEST Original (for SU	5/5 BMISSION) - printed on 08.09,2000 10:56:12 AM	2327000/GP
10-6	Transmittal of search copy delayed until search fee is paid		
	FOR INT	ERNATIONAL BUREAU USE ONLY	
11-1	Date of receipt of the record copy by the International Bureau		



From the INTERNATIONAL SEARCHING AUTHORITY		
To: DAVIES COLLISON CAVE 1 Little Collins Street MELBOURNE VIC 3000	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION	
	(PCT Rule 44.1)	
	Date of mailing 1 - DEC 2000 (day/month/year)	
Applicant's or agent's file reference 2327000	FOR FURTHER ACTION Sec paragraphs 1 and 4 below	
International application No.	International filing date	
PCT/AU00/01079	8 September 2000	
Applicant : AUSTRALIAN DYNAMIC PRODUCTS PTY, LTD	. et al	
1. X The applicant is hereby notified that the international se	earch report has been established and is transmitted herewith	
Filing of amendments and statement under Article 19 The applicant is entitled, if he so wishes, to amend the co	9; claims of the international application (see Rule 46):	
When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet.		
Where? Directly to the International Bu 34, chemin des 1211 Geneva 20 Facsimile No.: (Colombettes	
For more detailed instructions, see the notes on the accompanying sheet.		
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.		
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:		
applicant's request to forward the texts of both the	been transmitted to the International Bureau together with the protest and the decision thereon to the designated Offices.	
no decision has been made yet on the protest; the	applicant will be notified as soon as a decision is made.	
4. Further action(s): The applicant is reminded of the follo	wing:	
Shortly after 18 months from the priority date, the international	application will be published by the International Bureau.	
If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bls.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.		
Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later)		
Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.		
come and mailing address of the ISA/AU	Authorized officer	
AUSTRALIAN PATENT OFFICE		
.ºO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pet@ipaustralia.gov.au	CRAIG GLEGHORN	
Facsimile No. (02) 6285 3929	Telephone No. (02) 6283 2064	

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCI Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 2327000	FOR FURTHER · ACTION		ransmittal of Inter	national Search Report capplicable, item 5 below.
International application No.	International filing date	(day/month/year)	(Earliest) Prior	ity Datc (day/month/year)
PCT/AU00/01079	8 September 2000		8 September	1999
Applicant AUSTRALIAN DYNAMIC P	RODUCTS PTY. LT	D. et al		
The international search report has been prep Article 18. A copy is being transmitted to the	•	Scarching Authority a	nd is transmitted t	o the applicant according to
This international search report consists of a t	otal of 5 sheets.	•		
It is also accompanied by a c	copy of each prior art doc	ument cited in this repo	nt.	
Basis of the report				
(Rule 23.1(b)).	se indicated under this ite as carried out on the basis	m. s of a translation of the	international appl	ication furnished to this Authority
 With regard to any nucleotide and carried out on the basis of the sequence. 		e disclosed in the intern	iational applicatio	on, the international search was
contained in the internation	nal application in written	form.		
filed together with the inte	emational application in c	omputer readable form.	,	
furnished subsequently to	this Authority in written	form.		
furnished subsequently to	this Authority in compute	er readable form.		•
the statement that the subsapplication as filed has be		n sequence listing does	not go beyond th	e disclosure in the international
the statement that the info	rmation recorded in comp	outer readable form is id	lentical to the wri	tten sequence listing has been
2. Certain claims were found	l unsearchable (Sec Box	I).		
3. Unity of invention is lacking	ng (See Box II).			•
4. With regard to the title,	the text is approved as	subinitted by the applic	ant.	
	the text has been establ	ished by this Authority	to read as follows	s:
5. With regard to the abstract,	the text is approved as su	ibmitted by the applica	nt	
		n one month from the c	• • •	Authority as it appears in Box III. this international search report,
The figure of the drawings to be public	shed with the abstract is F	Figure No. 2		
$\overline{\mathbf{x}}$	as suggested by the appli	icanı.		None of the figures
	because the applicant fai	led to suggest a figure		
	because this figure better	characterizes the inver	ntion	

4	

INTERNATIONAL SEARCH REPORT International application No. PCT/AU00/01079 Observations where certain claims were found unsearchable (C ntinuation of item 2 of first sheet) Dex I is international search report has not been established in respect of certain claims under Article 17(2)(a) for the following teasons: Claims Nos: because they relate to subject matter not required to be searched by this Authority, namely: Claims Nos: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: 3. Claims Nos: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet) This International Searching Authority found multiple inventions in this international application, as follows: 1. Claims 1-22 directed to a tap including a valve which can only be opened after activation of a security button. 2. Claim 23 directed to a dual valve having a pair of valve elements which are mounted for rotation relative to one another. 3. Claim 24 directed to a tap including a plunger which rotates with a handle about an axis but is unscated from a valve seat when the handle is rotated about an orthogonal axis. i. As all required additional search fees were timely paid by the applicant, this international search report covers all scarchable claims ; 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: 4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: The additional search fees were accompanied by the applicant's protest. Remark on Protest No protest accompanied the payment fadditional search fees.







International application No.

<u>-</u>			PCT/AU00/01079
A.	CLASSIFICATION OF SUBJECT MATTER		
Int. Cl. 7:	F16K 35/02, 35/10, 11/18, 3/04		
According to	International Patent Classification (IPC) or to both	national classification and IP	С
В.	FIELDS SEARCHED		
	umentation searched (classification system followed by c , 35/10, 11/18, 3/04	classification symbols)	
Documentation	n searched other than minimum documentation to the ext	ent that such documents are inclu	uded in the fields scarched
	base consulted during the international search (name of F16K 35/02 or 35/10 or 11/18) and (button or		
C.	DOCUMENTS CONSIDERED TO BE RELEVANT	Γ	
Category*	Citation of document, with indication, where app	propriate, of the relevant passa	ges Relevant to claim No.
Х	EP 933573 A (GROHE) 4 August 1999 / Entire document		1-22
х	DE 4432873 A (KSB AG) 21 March 1996 a Entire document		1-22
X	US 5762317 A (FRAHM ET AL) 9 June 19 Entire document	98_	1-22
X	Further documents are listed in the continuation	on of Box C See pat	tent family annex
"A" document control of the interest of whether the interest of the interest o	al categories of cited documents: nent defining the general state of the art which is onsidered to be of particular relevance rapplication or patent but published on or after ternational filing date nent which may throw doubts on priority claim(s) ich is cited to establish the publication date of er citation or other special reason (as specified) ment referring to an oral disclosure, use, exhibition ter means ment published prior to the international filing date "& ter than the priority date claimed"	priority date and not in confunderstand the principle or document of particular relevance to considered novel or canninventive step when the document of particular relevance considered to involve an combined with one or more combination being obvious	vance; the claimed invention cannot inventive step when the document is other such documents, such to a person skilled in the art
	ual completion of the international search	Date of mailing of the internation	anglescarch report DEC 2000
	ling address of the ISA/AU	Authorized officer	
PO BOX 200, E-mail address	N PATENT OFFICE WODEN ACT 2606, AUSTRALIA : pct@ipaustralia.gov.au (02) 6285 3929	CRAIG GLEGHORN Telephone No: (02) 6283 20	064

International application No.

(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
tegory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5108075 A (DOWNWARD ET AL) 28 April 1992 / Entire document	23
x	US 5181580 A (BURG) 26 January 1993 / Figures 12-16	23
x	US 4960154 A (DAGIANTIS) 2 October 1990 - Entire document	23
X	US 4709728 A (YING-CIIUNG) 1 December 1987 / Entire document	24
x	US 3938556 A (HICKS) 17 February 1976 / Entire document	24
x	US 4457452 A (SYMMONS) 3 July 1984 / Entire document	24



INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. PCT/AU00/01079

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

atent Do	curnent Cited in Scarch Report	ı		Paten	r Family Member		
EP	933573	DE	19803524	JР	11269948	US	6035463
DE	4432873	ES	2126455	FR	2724740	IT	MI
			951750				
US	5762317	NONE					
US	5108075	DE	4213619	GB	2255155		· · · · · · · · · · · · · · · · · · ·
US	5181580	US	5273127				
US	4960154	EP	309443	CA	1293907	FI	892471
US	4709728	NONE					
US	3938556	NONE					
US	4457452	NONE					

PATENT COOPERATION TREATY

From the INTERNATIONAL PRELIMINARY	EXAMINING AUTHORI	ΥY	D.C.T.		
To: Agent :			PCT finus		
DAVIES COLLISON CA 1 Little Collins S	VE treet	NOTIFICATION OF RECEIPT OF DEMAND BY COMPETENT INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY			
MELBOURNE VIC 3000		(PCT Rulc and Admini	59.3(e) and 61.1(b), first sentence strative Instructions, Section 601(a))		
		Date of mailing (day/month/year)	5 APR 2001 (5/4/01)		
Applicant's or agent's file reference 2327000		IMPO	PRTANT NOTIFICATION		
International application No. PCT/AU00/01079	International filing date (date see 2000 (8/9		Priority date (day/month/year) 8 SEP 1999 (8/9/99)		
Applicant Australian Dynamic	Products Pty.	Ltd. (et al)		
The applicant is hereby notified that this International Preliminary Examining Authority considers the following date as the date of receipt of the demand for international preliminary examination of the international application: 30 MAR 2001 (30/3/01)					
2. That date of receipt is:					
	receipt of the demand by this teceipt of the demand on behi				
the date on which		se to the Invitation to c	orrect defects in the demand (Form		
elections(s) made in the dema from the priority date (or later be performed within 20 month	Attention: That date of receipt is AFTER the expiration of 19 months from the priority date. Consequently, the elections(s) made in the demand does (do) not have the effect of postponing the entry into the national phase until 30 months from the priority date (or later in some Offices) (Article 39(1)). Therefore, the acts for entry into the national phase must be performed within 20 months from the priority date (or later in some Offices) (Article 22). For details, see the PCT Applicant's Guide, Volume II.				
(If applicable) This no	otification confirms the infort	nation given by telepho	one, facsimile transmission or in person on:		
4. Only where paragraph 3 applies, a co	py of this notification has be	on sent to the Internati	onal Burcau.		

Name and mailing address of the IPEA/AU AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail: pct@ipaustralia.gov.au

Facsimile No. 02 6285 3929

Authorized officer



The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more, Authorities are competent with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below.

ΙP	EA/	

PCT

CHAPTER II

DEMAND

Under Article 31 of the Patent Cooperation Treaty:

The Undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty and hereby elects all eligible States (except where otherwise indicated).

For International Preliminary	Examining Authority u	se only		
Identification of IPEA	Date of receipt of DE	EMAND		
Box No. 1 IDENTIFICATION OF THE INTERNATION	NAL APPLICATION	Applicant's or agent's file reference 2327000/GP		
International application No. International filing date (PCT/AU00/01079 8 September, 2000 (8/9/00)		(Earliest) Priority date (day/month/year) 8 September, 1999 (8/9/99)		
Title of invention TAP				
Box No. II APPLICANT(S)				
Name and address: (Family name followed by given name: for a legal entity, full The address must include postal code and name of count		Telephone No.:		
AUSTRALIAN DYNAMIC PRODUCTS PTY. LT 3 Expo Court,	ΓD. ,	Facsimile No.:		
Mt. Waverley 3149 Victoria, Australia		Teleprinter No.:		
State (that is, country) of nationality; AUSTRALIA	State (that is, country) a AUSTRALIA	of residence:		
Name and address: (Family name followed by given name: for a legal entity, full	official designation. The address	must include postal code and name of country.)		
JOHNSON, Mark, Ian				
17 Wangaratta Street, Richmond 3121				
Victoria, Australia				
State (that is, country) of nationality: AUSTRALIA	State (that is, country) AUSTRALIA	of residence:		
Name and address: (Family name followed by given name: for a legal entity, full	official designation. The address	must include postal code and name of country.)		
BLOCHLINGER, Alfred				
17 Wangaratta Street, Richmond 3121				
Victoria, Australia				
State (that is, country) of nationality: AUSTRALIA	State (that is, country) AUSTRALIA	of residence;		
X Further applicants are indicated on a continuation sheet		-		
DOT/DC 4/03 (5-10 do 1) (1/10 do 1)		Con Notar to the demand form		

	Sheet No. 2/4	International application no. PCT/AU00/01079
Continuation of Box No. II APPLICAN	T(S)	
If none of the following sub-boxes is used, this s	heet should not be included in th	ne demand.
Name and address: (Family name followed by given name	e: for a legal entity, full official designation.	. The address must include postal code and name of country.)
HAMANN, Brian, Charles 12 Amanda Avenue, Corio 3214 Victoria, Australia		
State (that is, country) of nationality: AUSTRALIA	State (that is, AUSTRA)	country) of residence:
Name and address: (Family name followed by given name:	for a legal entity, full official designation.	The address must include postal code and name of country.)
FUNG, Hugh, Yean 7 Correa Close, Wantirna South 3152 Victoria, Australia		
State (that is, country) of nationality: AUSTRALIA	AUSTRAL	
Name and address: (Family name followed by given name:)	for a legal entity, full official designation. T	the address must include postal code and name of country.)
State (that is, country) of nationality:	State (that is, c	country) of residence:
Name and address: (Family name followed by given name: f	for a legal entity, full official designation. T	The address must include postal code and name of country.)
State (that is, country) of nationality;	State (that is, c	country) of residence:
Further applicants are indicated on anot	ther continuation sheet.	





Sheet No. 3/4

International application no. PCT/AU00/01079

Box No. III AGENT OR COMMON REPRESENTATIVE: OR ADDRESS I	FOR CORRESPONDENCE		
The following person is X agent common representative			
and X has been appointed earlier and represents the applicant(s) also for international preliminary examination.			
is hereby appointed and any earlier appointment of (an) agent(s)/common represen	ntative is hereby revoked.		
is hereby appointed, specifically for the procedure before the International Prelimi	inary Examining Authority, in addition to		
the agent(s)/common representative appointed earlier. Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country.)	Tclcphone No.: +61 3 9254 2777		
	Facsimile No.:		
PRYOR, Geoffrey Charles DAVIES COLLISON CAVE LESLIE Keith 1 Little Collins Street	+61 3 9254 2770		
	Electronic Mail:		
WEBBER, David Brian Melbourne Victoria 3000	mail@davies.com.au		
Australia			
Address for correspondence: Mark this check-box where no agent or common the space above is used instead to indicate a special address to which correspond			
Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINAT	ION		
Statement concerning amendments:*			
I. The applicant wishes the international preliminary examination to start on the basis of	r:		
the international application as originally filed			
the description as originally filed			
as amended under Article 34			
the claims as originally filed			
as amended under Article 19 (together with any accompan	ying statement)		
as amended under Article 34			
the drawings as originally filed			
as amended under Article 34			
2. The applicant wishes any amendment to the claims under Article 19 to be considered.	lered as reversed.		
3. The applicant wishes the start of the international preliminary examination to	be postponed until the expiration of 20		
months from the priority date unless the International Preliminary Examining At made under Article 19 or a notice from the applicant that he does not wish to make the check-box may be marked only where the time limit under Article 19 has not yet	ake such amendments (Rule 69. 1(d)). This		
• Where no check-box is marked, international preliminary examination will start on the	pasis of the international application as		
originally filed or, where a copy of amendments to the claims under Article 19 and/or a under Article 34 are received by the International Preliminary Examining Authority before opinion or the international preliminary examination report, as so amended.			
Language for the purposes of international preliminary examination: ENGLISH			
which is the language in which the international application was filed.			
which is the language of a translation furnished for the purposes of internation	nal search,		
which is the language of publication of the international application.			
which is the language of the translation (to be) furnished for the purposes of it	ntemational preliminary examination.		
Box No. V ELECTION OF STATES			
The applicant hereby elects all eligible States (that is, all States which have been designated	and which are bound by Chapter II of the		
PCT) Excluding the following States which the applicant wishes not to elect:			





Sheet No. 4/4

International application no. PCT/AU00/01079

Box No. VI CHECK LIST				
The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination: For International Preliminary Examining Authority use only				
Bux No. 1V, for the purposes of international pre-	Son 1.6. 17, 101 the purposes of international profitming scaling and international		received	not received
translation of international application :		sheets		
2. amendments under Article 34		sheets		
copy (or, where required, translation) of amendments under Article 19		sheets		
4. copy (or, where required, translation) of statement under Article 19		sheets		
S. letter :		sheets		
6. other (specify) :		sheets		
The demand is also accompanied by the item(s) m	arked below:			
1. fee calculation sheet	. 4.	statemen	nt explaining lack of si	gnature
2. separate signed power of attorney	5.		de and or amino acid s or readable form	sequence listing in
3. copy of general power of attorney: reference number, if any:	· 6 .	other (sp	pecify):	;
Box No. VII SIGNATURE OF APPLI	CANT, AGENT OF	COMMON R	EPRESENTATIVE	
Next to each xignature, indicate the name of the person xigning a	ind the capacity in which the	person xigns (if such	capacity is not obvious from	reading the demand).
PRYOR, Geoffrey Charles For and on behalf of the applicants				
For Internati	ional Preliminary Ex	camining Author	ority use only	
I. Date of actual receipt of DEMAND:	·	. .		
2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):				
3. The date of receipt of the demand is AF from the priority date and item 4 or 5, b		f 19 months		The applicant has been nformed accordingly.
4. The date of receipt of the demand is WI Rule 80.5.	ITHIN the period of 1	9 months from th	e priority dated as exte	ended by virtue of
5. Although the date of receipt of the demisis EXCUSED pursuant to Rule 82.	and is after the expira-	tion of 19 months	s from the priority date	d, the delay in arrival
	For International I	Burcau use only		
Demand received from IPEA on:				

WO 01/18439 PCT/AU00/01079

PCT

NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

PRYOR, Geoffrey, Charles **Davies Collison Cave** 1 Little Collins Street Melbourne, VIC 3000 **AUSTRALIE**

Applicant's or agent's file reference 2327000/GP		IMPORTANT NOTICE	
International application No. PCT/AU00/01079	- 1	date (day/month/year) per 2000 (08.09.00)	Priority date (day/month/year) 08 September 1999 (08.09.99)

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice: AU, KP, KR, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

- 2. The following designated Offices have v/aived the requirement for such a communication at this time:
 - AE,AG,AL,AM,AP,AT,AZ,BA,BB,BG,BR,BY,BZ,CA,CH,CN,CR,CU,CZ,DE,DK,DM,DZ,EA,EE,EP,ES, FI,GB,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,JP,KE,KG,KZ,LC,LK,LR,LS,LT,LU,LV,MA,MD,MG,MK, MN, MW, MX, MZ, NO, NZ, OA, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).
- 3. Enclosed with this Notice is a copy of the international application as published by the International Buroau on 15 March 2001 (15.03.01) under No. WO 01/18439

REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin dos Colombettes 1211 Geneva 20, Switzerland

Auth rized officer

J. Zahra

Telephone No. (41-22) 338.83.38

Facsimile No. (41-22) 740.14.35

2808 # 66/ 73 24 '02 09:48PM





FRIDAY 2.4 Aug

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INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

DAVIES COLLISON CAVE
Little Collins Street

MELBOURNE VIC 3000

PCT

NOTIFICATION OF TRANSMITTAL OF INTURNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing day/month/year

23 AUG 2001

Applicant's or agent's file reference

2327000

IMPORTANT NOTIFICATION

International Application No.

International Filing Date 8 September 2000

8 September 1999

Priority Date

PCT/AU00/01079

Applicant

AUSTRALIAN DYNAMIC PRODUCTS PTY. LTD. et al.

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
 - Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translations to those Offices.

REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide

Name and mailing address of the IPEA/AU

AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA a-mail address: pet@ipaustralia.gov.au Fucsimile No. (02) 6285 3929 Authorized officer

VENKATIYER

Telephone No. (02) 6283 2144





PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2327000	FOR FURTHER ACTION		ransmittal of International Preliminary (Form PCT/IPEA/416).		
International Application No. PCT/AU00/01079	International Filing Date 8 September 2000	(day/month/year)	Priority Date (day/month/year) 8 September 1999		
International Patent Classification (IPC)	or national classification	and IPC			
Int. Cl. 7 F16K 35/02, 35/10, 11/18, 3/04					
Applicant AUSTRALIAN DYNAMIC PRODUCTS PTY. LTD. et al					
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. This REPORT consists of a total of 5 sheets, including this cover sheet.					
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of a tota	of sheet(s).				
This report contains indications relating	g to the following items:				
I X Basis of the report	I X Basis of the report				
II Priority					
III Non-establishmen	t of opinion with regard t	o novelty, inventive st	ep and industrial applicability		
IV X Lack of unity of it	vention				
VI Certain documents	cited				
VII Certain defects in	the international applicat	ion			
VIII Certain observation	ns on the international ap	oplication			
Date of submission of the demand	Da	ite of completion of th	e report		
30 March 2001	i i	August 2001			
Nume and mailing address of the IPEA/AU	Λυ	thorized Officer			
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTR	24114				
E-mail address: pct@ipaustralia.gov.au	į į	ENKAT IYER			
Facsimile No. (02) 6285 3929	Te	lephone No. (02) 628	33 2144		



International application No.

PCT/AU00/01079

Ī.		asis of the report	
1.	With	regard to the elements of the international application:*	
	X	the international application as originally filed.	
		the description, pages, as originally filed,	
		pages, filed with the demand.	
		pages, received on with the letter of	
		the claims, pages, as originally filed,	
		pages, as amended (together with any statement) under Article 19,	
		pages, filed with the demand,	
		pages, received on with the letter of	
		the drawings, pages, as originally filed,	
		pages, filed with the demand,	
		pages, received on with the letter of	
		the sequence listing part of the description:	
		pages, as originally filed	
		pages, filed with the demand pages, received on with the letter of	
_			
2		egard to the language, all the elements marked above were available or furnished to this Authority in the languag the international application was filed, unless otherwise indicated under this item.	ge in
		elements were available or furnished to this Authority in the following language which is:	
		the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).	
		the language of publication of the international application (under Rule 48.3(b)).	
		the language of the translation furnished for the purposes of international preliminary examination (under Rules and/or 55.3).	55.2
3		egard to any nucleotide and/or amino acid sequence disclosed in the international application, the international	1
	prelin	inary examination was carried out on the basis of the sequence listing: contained in the international application in written form.	1
		filed together with the international application in computer readable form.	
		furnished subsequently to this Authority in written form.	
		furnished subsequently to this Authority in computer readable form.	
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.	
		The statement that the information recorded in computer readable form is identical to the written sequence listin been furnished	g has
4.		The amendments have resulted in the cancellation of:	
		the description, pages	
		the claims, Nos.	
		the drawings, sheets/fig.	
٥.		This report has been established as if (some of) the amendments had not been made, since they have been considered beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	dered to
9	Repla	ement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).	in this
0 \$		olacement sheet containing such amendments must be referred to under item 1 and annexed to this report	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT International application No. PCT/AU00/01079 W. Lack of unity of invention In response to the invitation to restrict or pay additional fees the applicant has: ì restricted the claims. paid additional fees. paid additional fees under protest. neither restricted nor paid additional fees. This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule - 2. 68.1, not to invite the applicant to restrict or pay additional fees. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is 3. complied with. not complied with for the following reasons: 1. Claims 1 - 22 are directed to a tap including a valve which can be opened only after activating a security button. 2. Claim 23 is directed to a dual valve having a pair of valve elements which are mounted for rotation relative to one another. 3. Claim 24 directed to a tap including a plunger which rotates with a handle about an axis but is unscated from a valve seat when the handle is rotated about an orthogonal axis. Consequently, the following parts of the international application were the subject of international preliminary examination in establishing this report: all parts. the parts relating to claims Nos.

International application No.

PCT/AU00/01079

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step	r industrial applicability; citations
1	and explanations supporting such statement	

Statement		
Novelty (N)	Claims 3 - 22	YES
	Claims 1, 2, 23, 24	NO
Inventive step (IS)	Claims 3 - 22	YES
	Claims 1, 2, 23, 24	NO
Industrial applicability (IA)	Claims 1 - 24	YES
	Claims	NO

Citations and explanations (Rule 70.7)

The following documents are considered to be particularly relevant for the purposes of this international preliminary examination report:

Dl	EP 933573	D4	US 4960154	D7	US 3938556
D2	US 5762317	D5	US 5108075	D8	US 4709728
D3	DE 4432873	D6	US 5181580	D9	US 4457452

NOVELTY(N)

Claims 1 and 2:

D1 discloses a tap including an operating handle 21 and a security button 5 which must be pushed down before the user can move the handle to open the valve and feed water to the sprayer output 104. The handle 21 is capable of biaxial rotation and is also provided with a part spherical bearing surface arm 31 with a complementary bearing surface on the body of the tap 12. See figures 10 and 11.

D2 discloses a tap including a security button 16, which must be moved in order to allow the actuator cap 14 to actuate the valve 12.

Similarly D3 discloses a tap with a button/lever 4 which must be raised to allow the arm 2 to actuate the valve.

Claim 23:

D5 discloses a valve having a pair of valve elements 50 and 52 mounted for rotation relative to one another. The first valve member 50 has a through inlet and outlet 80, the other valve element 52 includes a recess 68, the arrangement being such that when the valve element 52 is rotated the recess allows fluid flow.

Similarly for D6 (see figures 12 - 16)

<u>Claim 24:</u>

D8 discloses a tap having a handle 24 with a plunger 23. The handle can be pressed down such that the plunger 23 together with a valve 232 is lowered. Resulting in the opening of the valve port 223. Furthermore, the handle is mounted for biaxial rotation. See figs 6, 7 and column 6 lines 31 - 38 and column 7 lines 3 - 15.

Similarly for D7 (col 3 lines 4-13) and D9 (col 8 lines 11 - 20)

(continued in supplemental sheet)



International application No.

PCT/AU00/01079

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of Box V

INVENTIVE STEP(IS)

<u>Claims 1, 2, 23, 24</u>: as above, also

D4 discloses a dual valve comprising a pair of valve elements 3 and 4 which slide relative to each other. The first valve member 3 includes and inlet 8, 9 and an outlet 13. The second valve member 4 has a recess 12 which is able to overlie both ports to allow fluid flow. See figure 4. The only difference between the invention and D4 is that the valve elements rotate relative to one another as opposed to sliding relative to one another in the citation. This difference amounts to a mere workshop variation, consequently claim 23 lacks an inventive step.

Claims 3 - 22:

These claims are considered to be novel and to involve an inventive step as the specific arrangement of the tap with the fluid lines is neither suggested nor disclosed in the prior art.

INDUSTRIAL APPLICABILITY(IA)

Claims 1 - 24 are industrially applicable



(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

PIPOT OMPLA

(43) International Publication Date 15 March 2001 (15.03.2001)

PCT

(10) International Publication Number WO 01/18439 A1

- (51) International Patent Classification⁷: 35/10, 11/18, 3/04
- F16K 35/02,
- (21) International Application Number: PCT/AU00/01079
- (22) International Filing Date:

8 September 2000 (08.09.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: PQ 2703

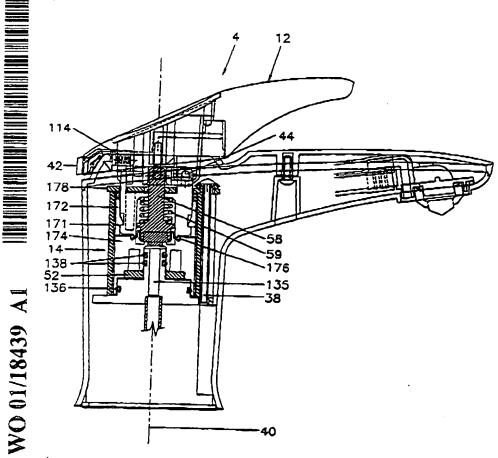
8 September 1999 (08.09.1999) A

(71) Applicant (for all designated States except US): AUSTRALIAN DYNAMIC PRODUCTS PTY. LTD. [AU/AU]; 3 Expo Court, Mt. Waverley, VIC 3149 (AU).

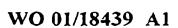
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JOHNSON, Mark, Jan [AU/AU]: 17 Wangaratta Street, Richmond, VIC 3121 (AU). BLOCHLINGER, Alfred [AU/AU]: 17 Wangaratta Street, Richmond, VIC 3121 (AU). HAMANN, Brian, Charles [AU/AU]: 12 Amanda Avenue, Corio, VIC 3214 (AU). FUNG, Hugh, Yean [AU/AU]; 7 Correa Close, Wantima South, VIC 3152 (AU).
- (74) Agents: PRYOR, Geoffrey, Charles et al.: Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,

[Continued on next page]

(54) Title: TAP



(57) Abstract: A tap (4) including a tap body (6) within which is located a valve (14), an operating handle (12) mounted on the body and coupled to the valve, a security button (42) which is interlocked with the handle and/or valve, the arrangement being such that the valve can only be opened after activation of the security button.





NO. NZ. PL. PT. RO. RU. SD. SE. SG, SI, SK, SL, TJ, TM, TR. TT. TZ. UA. UG, US. UZ. VN, YU. ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

International application No.

PCT/AU00/01079

Α.	CLASSIFICATION OF SUBJECT MATTER					
int. Cl. 7:	F16K 35/02, 35/10, 11/18, 3/04					
According to I	According to International Patent Classification (IPC) or to both national classification and IPC					
	FIELDS SEARCHED	·				
	mentation searched (classification system followed by c 35/10, 11/18, 3/04	lassification symbols)				
	searched other than minimum documentation to the ext					
Electronic data WPAT: 1. (I	base consulted during the international search (name of F16K 35/02 or 35/10 or 11/18) and (button or	data base and, where practicable, search to safety or child+) 2. (F16K 3/04 o	erms used) r 3/26) 3. (F16K			
с.	DOCUMENTS CONSIDERED TO BE RELEVANT	r				
Category*	Citation of document, with indication, where app	огорліаte, of the relevant passages	Relevant to claim No.			
х	EP 933573 A (GROHE) 4 August 1999 Entire document		1-22			
x	DE 4432873 A (KSB AG) 21 March 1996 Entire document		1-22			
x	US 5762317 A (FRAHM ET AL) 9 June 19 Entire document	98	1-22			
X i	further documents are listed in the continuation	on of Box C See patent fam	ily annex			
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family			the application but cited to derlying the invention claimed invention cannot sidered to involve an taken alone claimed invention cannot step when the document is the documents, such on skilled in the art			
Date of the actual completion of the international search 24 November 2000 Date of mailing of the international search			n report DEC 2000			
Name and maili	ng address of the ISA/AU	Authorized officer				
PO BOX 200, V	PATENT OFFICE VODEN ACT 2606, AUSTRALIA pct@ipaustralia.gov.au 02) 6285 3929	CRAIG GLEGHORN Telephone No: (02) 6283 2064				

International application No.
PCT/AU00/01079

PCT/AU00/01079				
C (Continua		D-1		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
	US 5108075 A (DOWNWARD ET AL) 28 April 1992			
X	Entire document	23		
	US 5181580 A (BURG) 26 January 1993			
X	Figures 12-16	23		
	US 4960154 A (DAGIANTIS) 2 October 1990			
X	Entire document	23		
	US 4709728 A (YING-CHUNG) 1 December 1987			
X	Entire document	24		
	US 3938556 A (HICKS) 17 February 1976			
X	Entire document	24		
•	US 4457452 A (SYMMONS) 3 July 1984	24		
X	Entire document	24		

International application No.
PCT/AU00/01079

Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)	
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	
1. Claims Nos:	
because they relate to subject matter not required to be searched by this Authority, namely:	
Claims Nos: because they relate to parts of the international application that do not comply with the prescribed requirements such an extent that no meaningful international search can be carried out, specifically:	i .to
3. Claims Nos:	ا۔
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rul 6.4(a)	.е
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	
This International Searching Authority found multiple inventions in this international application, as follows:	
 Claims 1-22 directed to a tap including a valve which can only be opened after activation of a security button. Claim 23 directed to a dual valve having a pair of valve elements which are mounted for rotation relative to on 	ıe
another. 3. Claim 24 directed to a tap including a plunger which rotates with a handle about an axis but is unseated from a valve seat when the handle is rotated about an orthogonal axis.	ı
1. As all required additional search fees were timely paid by the applicant, this international search report covers a searchable claims	11
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not inversely payment of any additional fee.	te
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:	
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	
Remark on Protest The additional search fees were accompanied by the applicant's protest.	
X No protest accompanied the payment of additional search fees.	

INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. PCT/AU00/01079

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

tent Do	cument Cited in Sez Report	rch	Patent Family Member				
EP	933573	DE	19803524	JР	11269948	US	6035463
DE	4432873	ES	2126455	FR	2724740	II	MI
			951750				
US	5762317	NONE					_
US	5108075	DE	4213619	GB	2255155		
US	5181580	US	5273127				
US	4960154	EP	309443	CA	1293907	FI	892471
US	4709728	NONE					
US	3938556	NONE					
US	4457452	NONE					

REC'D 29 AUG 2001

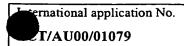
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PO PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2327000	FOR FURTHER ACTION		ransmittal of International Preliminary (Form PCT/IPEA/416).		
International Application No. PCT/AU00/01079	International Filing Date (day/month/year) 8 September 2000		Priority Date (day/month/year) 8 September 1999		
International Patent Classification (IPC)	or national classification	and IPC			
Int. Cl. ⁷ F16K 35/02, 35/10, 11/18	3, 3/04				
Applicant					
AUSTRALIAN DYNAMIC P	RODUCTS PTY. LTI	O. et al			
		_ 			
This international preliminary and is transmitted to the applic			ternational Preliminary Examining Authority		
2. This REPORT consists of a tot	tal of 5 sheets, includi	ing this cover sheet.			
	e basis for this report and	d/or sheets containing i	ption, claims and/or drawings which have ectifications made before this Authority (see PCT).		
These annexes consist of a tota	ol of sheet(s).				
3. This report contains indications relatir	3. This report contains indications relating to the following items:				
I X Basis of the report	t				
II Priority					
III Non-establishmen	t of opinion with regard	to novelty, inventive st	ep and industrial applicability		
IV X Lack of unity of in	ivention				
	nt under Article 35(2) wanations supporting such		eventive step or industrial applicability;		
VI Certain documents	s cited				
VII Certain defects in	the international applica	tion	·		
VIII Certain observation	ons on the international a	pplication			
Date of submission of the demand	Date of submission of the demand Date of completion of the report				
30 March 2001		20 August 2001			
Name and mailing address of the IPEA/AU	Aı	uthorized Officer			
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTR	RALIA		•		
E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929		VENKAT IYER			
· ·	Te	elephone No. (02) 628	3 2144		



I.	Basis of the report
1.	With regard to the elements of the international application:*
	X the international application as originally filed.
	the description, pages, as originally filed,
	pages, filed with the demand,
	pages, received on with the letter of
	the claims, pages, as originally filed,
	pages , as amended (together with any statement) under Article 19,
	pages , filed with the demand,
	pages, received on with the letter of
	the drawings, pages, as originally filed,
	pages, filed with the demand,
	pages, received on with the letter of
	the sequence listing part of the description:
	pages , as originally filed
ŀ	pages, filed with the demand
	pages, received on with the letter of
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is: the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
	the language of publication of the international application (under Rule 48.3(b)).
	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:
	contained in the international application in written form.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority in written form.
	furnished subsequently to this Authority in computer readable form.
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished
4.	The amendments have resulted in the cancellation of:
	the description, pages
	the claims, Nos.
_	
5.	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
*	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).
**	Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report

Lyter	national	application	No.
	r/A Tion	/01079	

IV.	Lack of unity of invention
1.	In response to the invitation to restrict or pay additional fees the applicant has:
	restricted the claims.
	paid additional fees.
	paid additional fees under protest.
	neither restricted nor paid additional fees.
2.	This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.
3.	This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
	complied with.
	X not complied with for the following reasons:
	1. Claims 1 - 22 are directed to a tap including a valve which can be opened only after activating a security button.
	2. Claim 23 is directed to a dual valve having a pair of valve elements which are mounted for rotation relative to one another.
	3. Claim 24 directed to a tap including a plunger which rotates with a handle about an axis but is unseated from a valve seat when the handle is rotated about an orthogonal axis.
4.	Consequently, the following parts of the international application were the subject of international preliminary examination in establishing this report:
•	X all parts.
	the parts relating to claims Nos.

ternational app	lication No.
T/A1100/01	079

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations
	and explanations supporting such statement

1.	Statement		
	Novelty (N)	Claims 3 - 22	YES
		Claims 1, 2, 23, 24	NO
	Inventive step (IS)	Claims 3 - 22	YES
		Claims 1, 2, 23, 24	NO
	Industrial applicability (IA)	Claims 1 - 24	YES
		Claims	NO

2. Citations and explanations (Rule 70.7)

The following documents are considered to be particularly relevant for the purposes of this international preliminary examination report:

D1 EP 933573	D4 US 4960154	D7	US 3938556
D2 US 5762317	D5 US 5108075	D8	US 4709728
D3 DE 4432873	D6 US 5181580	D9	US 4457452

NOVELTY(N)

Claims 1 and 2:

D1 discloses a tap including an operating handle 21 and a security button 5 which must be pushed down before the user can move the handle to open the valve and feed water to the sprayer output 104. The handle 21 is capable of biaxial rotation and is also provided with a part spherical bearing surface arm 31 with a complementary bearing surface on the body of the tap 12. See figures 10 and 11.

D2 discloses a tap including a security button 16, which must be moved in order to allow the actuator cap 14 to actuate the valve 12.

Similarly D3 discloses a tap with a button/lever 4 which must be raised to allow the arm 2 to actuate the valve.

Claim 23:

D5 discloses a valve having a pair of valve elements 50 and 52 mounted for rotation relative to one another. The first valve member 50 has a through inlet and outlet 80, the other valve element 52 includes a recess 68, the arrangement being such that when the valve element 52 is rotated the recess allows fluid flow.

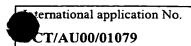
Similarly for D6 (see figures 12 - 16)

Claim 24:

D8 discloses a tap having a handle 24 with a plunger 23. The handle can be pressed down such that the plunger 23 together with a valve 232 is lowered. Resulting in the opening of the valve port 223. Furthermore, the handle is mounted for biaxial rotation. See figs 6, 7 and column 6 lines 31 - 38 and column 7 lines 3 - 15.

Similarly for D7 (col 3 lines 4 -13) and D9 (col 8 lines 11 - 20)

(continued in supplemental sheet)



Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of Box V

INVENTIVE STEP(IS)

Claims 1, 2, 23, 24: as above, also

D4 discloses a dual valve comprising a pair of valve elements 3 and 4 which slide relative to each other. The first valve member 3 includes and inlet 8, 9 and an outlet 13. The second valve member 4 has a recess 12 which is able to overlie both ports to allow fluid flow. See figure 4. The only difference between the invention and D4 is that the valve elements rotate relative to one another as opposed to sliding relative to one another in the citation. This difference amounts to a mere workshop variation, consequently claim 23 lacks an inventive step.

Claims 3 - 22:

These claims are considered to be novel and to involve an inventive step as the specific arrangement of the tap with the fluid lines is neither suggested nor disclosed in the prior art.

INDUSTRIAL APPLICABILITY(IA)

Claims 1 - 24 are industrially applicable